

# CAUTION

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



**ACTIVE CONSTITUENT: 200 g/kg DINOTEFURAN**

**GROUP 4A INSECTICIDE**

*For the control of silverleaf whitefly and green mirid on cotton as per the Directions for Use Table.*

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**Net Contents 5 kg**

**DIRECTIONS FOR USE**

**RESTRAINTS**

**DO NOT** apply where the slope exceeds 4%.

**SPRAY DRIFT RESTRAINTS**

**DO NOT** apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council guideline.

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for at least 2 years. The spray application details that must be recorded are:

1. date with start and finish times of application;
2. location address and paddock/s sprayed;
3. full name of this product;
4. amount of product used per hectare and number of hectares applied to;
5. crop/situation and weed/pest;
6. wind speed and direction during application;
7. air temperature and relative humidity during application;
8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application;
9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

**MANDATORY NO-SPRAY ZONES**

**DO NOT** apply if there are aquatic and wetland areas, including aquaculture ponds, surface streams and rivers located downwind from the application area and within the **mandatory no-spray zones** shown in Table A.

<b>Table A – No-Spray Zones for Protection of the Aquatic Environment</b>	
<b>FOR AERIAL APPLICATION</b>	
<b>Wind Speed Range at Time of Application</b>	Downwind Mandatory No-Spray Zone
	Fixed-Wing
<b>From 3 to 8 kilometres per hour</b>	80 m
<b>From 8 to 14 kilometres per hour</b>	
<b>From 14 to 20 kilometres per hour</b>	
<b>FOR GROUND APPLICATION</b>	
<b>From 3 to 20 kilometres per hour</b>	5 m

<b>CROP</b>	<b>PEST</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
Cotton	Silverleaf whitefly ( <i>Bemisia tabaci</i> )	250 g to 375 g/ha	<p>Monitor crops and commence applications once local thresholds are reached.</p> <p>Ensure thorough spray coverage of the target. Inadequate spray coverage may result in reduced pest control, especially in the lower crop canopy and against established populations.</p> <p>Using Starkle on established silverleaf whitefly populations after canopy closure may result in variable results.</p> <p>Use the higher rate when longer residual control is required or during periods of high pest pressure or rapid crop growth or when crops are well advanced.</p> <p>When both pests are present and silverleaf whitefly is at or above industry spray thresholds, use the appropriate silverleaf whitefly rate.</p> <p>Continue to monitor crops and make a subsequent application as necessary.</p>
	Green mirid ( <i>Creontiades dilutus</i> ) ONLY	90 g/ha	<p>Performance can be reduced in stressed crops (eg drought affected dryland cotton) or when senescing late season.</p> <p><b>Do not apply more than 2 applications per crop. Do not reapply within 14 days of a previous Starkle application.</b> Use in accordance with the current Insecticide Resistance Management Strategies.</p>

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIODS**

**Cotton**

**Harvest:** DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

**Grazing:** DO NOT GRAZE TREATED COTTON CROPS OR CUT FOR STOCKFEED.

**DO NOT FEED COTTON TRASH TO LIVESTOCK.**

**GENERAL INSTRUCTIONS**

**MIXING/APPLICATION**

**Mixing**

Partially fill the spray tank with clean water and add the required quantity of product to the water surface. Allow the product to submerge before agitating. Top up the tank with clean water to the required volume.

**Ground Rig Application**

Apply as a blanket spray or banded spray ensuring thorough coverage is achieved. Apply in a minimum of 80 L/ha water. Use only medium spray droplets according to specifications of the nozzle manufacturer that refer to the ASAE S572 Standard or BCPC guideline.

**Aerial Application**

Apply in a minimum of 30 L/ha water. Use appropriate water volume to achieve thorough coverage. A strategy to minimise spray drift should be employed at all times when aurally applying sprays near sensitive areas. Such a strategy is illustrated by the cotton industry's Best Management Practice Manual.

**INSECTICIDE RESISTANCE WARNING**

**GROUP 4A INSECTICIDE**

For insecticide resistance management STARKLE® is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to STARKLE and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if STARKLE or other Group 4A insecticides are used repeatedly. The effectiveness of STARKLE on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, AgNova Technologies Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects. STARKLE may be subject to specific resistance management strategies. For further information contact your local supplier, AgNova Technologies Pty Ltd representative or local agricultural department agronomist.

**PRECAUTIONS**

**RE-ENTRY PERIOD**

DO NOT allow entry into treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Clothing must be laundered after each day's use.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Very toxic to aquatic life. DO NOT contaminate wetlands or water courses with this product or used containers.

**PROTECTION OF HONEYBEES AND OTHER INSECT POLLINATORS**

Highly toxic to bees and will kill bees foraging in a treated crop or in hives which are accidentally sprayed or contaminated by spray drift. Spray residues remain toxic to bees for 2-3 days after application. To protect long term viability of beehives, remove or cover beehives during application and for 5 days after treatment.

DO NOT allow spray to drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying notify beekeepers who are known to have hives in or nearby the area to be sprayed, to move hives to a safe location if there is potential for managed hives to be affected by the spray or spray drift.

**INTEGRATED PEST MANAGEMENT**

Toxic to beneficial arthropods. Follow the Cotton Best Management Guide when using this product. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

**STORAGE & DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

**SAFETY DIRECTIONS**

Will irritate the eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre.

Phone Australia 13 11 26.

**SAFETY DATA SHEET**

If additional hazard information is required refer to the Safety Data Sheet.

For a copy visit our website at [agnova.com.au](http://agnova.com.au)

**CONDITIONS OF SALE**

AgNova Technologies Pty Ltd shall not be liable for any consequential or other loss or damage relating to the supply or subsequent handling or use of this product, unless such liability by law cannot be lawfully excluded or limited. All warranties, conditions or rights implied by statute or other law which may be lawfully excluded are so excluded. Where the liability of AgNova Technologies Pty Ltd for breach of any such statutory warranties and conditions cannot be lawfully excluded but may be limited to it re-supplying the product or an equivalent product, then the liability of AgNova Technologies Pty Ltd for any breach of such statutory warranty or condition is so limited.

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**APVMA Approval No: 69398/111741**

This label requires no additional statements in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

In a transport emergency dial 000, Police or Fire Brigade.  
For specialist advice in an emergency only, call 1800 033 111 (24 hours).

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